

## Refine Search

### Search Results -

Terms	Documents
(match\$ with scor\$) and transaction and (variable or attribute) and ((quality or importan\$) with value) and database and @pd<=20000331	0

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L5

Refine Search

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### Search History

 DATE: Friday, June 25, 2004   [Printable Copy](#)   [Create Case](#)
SetName   Queryside by  
sideHit  
CountSet  
Name  
result set

DB=EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L5 (match\$ with scor\$) and transaction and (variable or attribute) and ((quality or importan\$) with value) and database and @pd&lt;=20000331

0   L5

L4 (match\$ with scor\$) and transaction and variable and attribute and ((quality or importan\$) with value) and database and @pd&lt;=20000331

0   L4

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L3 6272467.pn. or 6012051.pn. or 6609118.pn. or 5550746.pn. or 6321221.pn.

5   L3

L2 L1 and 705/? .cls.

1   L2

L1 (match\$ with scor\$) and transaction and variable and attribute and ((quality or importan\$) with value) and database and @ad&lt;=20000331

23   L1

END OF SEARCH HISTORY

First Hit   Fwd Refs  
End of Result Set

☐ **Generate Collection** **Print**

L2: Entry 1 of 1

File: USPT

Apr 13, 2004

US-PAT-NO: 6721713

DOCUMENT-IDENTIFIER: US 6721713 B1

TITLE: Business alliance identification in a web architecture framework

DATE-ISSUED: April 13, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guheen; Michael F.	Tiburon	CA		
Mitchell; James D.	Manhattan Beach	CA		
Barrese; James J.	San Jose	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Andersen Consulting LLP	Chicago	IL			02

APPL-NO: 09/ 320816   [PALM]

DATE FILED: May 27, 1999

INT-CL: [07] G06 F 17/00

US-CL-ISSUED: 705/1; 707/503, 709/223

US-CL-CURRENT: 705/1; 709/223, 715/503

FIELD-OF-SEARCH: 705/1, 705/39, 707/503, 709/223, 717/151

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

**Search Selected**   **Search ALL**   **Clear**

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4674043</u>	June 1987	Hernandez et al.	707/503
<input type="checkbox"/>	<u>4937863</u>	June 1990	Robert et al.	710/200
<input type="checkbox"/>	<u>5023907</u>	June 1991	Johnson et al.	710/200
<input type="checkbox"/>	<u>5579222</u>	November 1996	Bains et al.	717/167
<input type="checkbox"/>	<u>5615312</u>	March 1997	Kohler	358/1.9
<input type="checkbox"/>	<u>5710887</u>	January 1998	Chelliah et al.	705/26

<input type="checkbox"/> <u>5740549</u>	April 1998	Reilly et al.	705/14
<input type="checkbox"/> <u>5745681</u>	April 1998	Levine et al.	709/200
<input type="checkbox"/> <u>5752238</u>	May 1998	Dedrick	705/14
<input type="checkbox"/> <u>5799151</u>	August 1998	Hoffer	709/204
<input type="checkbox"/> <u>5819092</u>	October 1998	Ferguson et al.	717/113
<input type="checkbox"/> <u>5826242</u>	October 1998	Montulli	705/27
<input type="checkbox"/> <u>5848396</u>	December 1998	Gerace	705/10
<input type="checkbox"/> <u>5870555</u>	February 1999	Pruett et al.	709/223
<input type="checkbox"/> <u>5873069</u>	February 1999	Reuhl et al.	705/20
<input type="checkbox"/> <u>5890137</u>	March 1999	Koreeda	705/26
<input type="checkbox"/> <u>5958008</u>	September 1999	Pogrebisky et al.	709/229

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
6-274504	September 1994	JP	
WO 97/21179	June 1997	WO	

## OTHER PUBLICATIONS

Stein, Tom; Manufacturing: Key Word: Integration; Information week, p223+; dialog copy pp. 1-7.

ART-UNIT: 3629

PRIMARY-EXAMINER: Dixon; Thomas A.

ATTY-AGENT-FIRM: Merchant & Gould P.C.

## ABSTRACT:

A system, method and article of manufacture are provided for identifying alliances among a plurality of business entities in components of a network framework. First, alliances are identified among a plurality of business entities in terms of components of a current network framework. Next, a pictorial representation is displayed of the current network framework and the components. The alliances are then conveyed by indicia coding the components of the current network framework in which the alliances exist.

10 Claims, 177 Drawing figures

First Hit   Fwd Refs

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L3: Entry 3 of 5

File: USPT

Aug 7, 2001

US-PAT-NO: 6272467

DOCUMENT-IDENTIFIER: US 6272467 B1

TITLE: System for data collection and matching compatible profiles

DATE-ISSUED: August 7, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Durand; Pierre E.	Chicago	IL		
Low; Michael D.	Evanston	IL		
Stoller; Melissa K.	Kenilworth	IL		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Spark Network Services, Inc.	Evanston	IL			02

APPL-NO: 08/ 784713   [PALM]

DATE FILED: January 16, 1997

## PARENT-CASE:

This application claims the benefit of U.S. provision application Ser. No. 60/024,789 filed Sep. 9, 1996, now abandoned.

INT-CL: [07] G06 F 15/38

US-CL-ISSUED: 705/1; 705/5, 705/26

US-CL-CURRENT: 705/1; 705/26, 705/5

FIELD-OF-SEARCH: 705/1, 705/26, 707/5

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4348744</u>	September 1982	White	
<input type="checkbox"/>	<u>4422158</u>	December 1983	Galie	707/5
<input type="checkbox"/>	<u>5086394</u>	February 1992	Shapira	705/1
<input type="checkbox"/>	<u>5122952</u>	June 1992	Minkus	705/26

<input type="checkbox"/> <u>5128871</u>	July 1992	Schmitz	364/490
<input type="checkbox"/> <u>5164897</u>	November 1992	Clark et al.	705/1
<input type="checkbox"/> <u>5251131</u>	October 1993	Masand et al.	704/9
<input type="checkbox"/> <u>5325475</u>	June 1994	Poggio et al.	395/133
<input type="checkbox"/> <u>5446686</u>	August 1995	Bosnyak et al.	365/49
<input type="checkbox"/> <u>5450504</u>	September 1995	Calia	382/118

ART-UNIT: 275

PRIMARY-EXAMINER: MacDonald; Allen R.

ASSISTANT-EXAMINER: Patel; Jagdish

ATTY-AGENT-FIRM: Lenart; Robert P. Eckert Seamans Cherin & Mellott, LLC

ABSTRACT:

This invention relates to an automated method for identifying matches between a set of predetermined traits and a set of preferences. This method can be used to find compatible matches in a variety of situations where participants are identified by a profile of traits and a set of criteria desired in a match, including, for example, matching candidates to residency program, and matching job hunters with employment opportunities. The present invention offers advantages and improvements over prior computer matching systems because, it provides an automated, effective method for matching traits with corresponding preferences and insures that only matches of the highest degree are made. The present invention utilizes two-way matching of selected criteria, which measures not only how compatible the potential match is with the desired traits of the user, but also how well the user fits the potential match's idea of the perfect match.

25 Claims, 12 Drawing figures

First Hit   Fwd Refs

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L3: Entry 1 of 5

File: USPT

Aug 19, 2003

US-PAT-NO: 6609118

DOCUMENT-IDENTIFIER: US 6609118 B1

TITLE: Methods and systems for automated property valuation

DATE-ISSUED: August 19, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Khedkar; Pratap Shankar	Philadelphia	PA		
Bonissone; Piero Patrone	Schenectady	NY		
Golibersuch; David Clarence	Schenectady	NY		

INT-CL: [07] G06 F 17/00

US-CL-ISSUED: 705/400; 705/10, 705/30, 705/35, 705/36, 705/37, 705/38, 705/26, 705/27, 707/10, 707/100, 707/200

US-CL-CURRENT: 705/400; 705/10, 705/26, 705/27, 705/30, 705/35, 705/36, 705/37, 705/38, 707/10, 707/100, 707/200

FIELD-OF-SEARCH: 705/400, 705/10, 705/30, 705/35, 705/36, 705/37, 705/38, 705/26, 705/27, 707/200, 707/100, 707/10

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5361201</u>	November 1994	Jost et al.	364/401
<input type="checkbox"/> <u>5857174</u>	January 1999	Dugan	705/1
<input type="checkbox"/> <u>6178406</u>	January 2001	Cheetham et al.	705/10

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
20002/0035520	March 2002	WO	

## OTHER PUBLICATIONS

Valentine, Automated Valuation Models Speed the Appraisal Process. [retrieved on

Apr. 9, 2002]. Retrieved from the Internet:<URL:

[http://www.banking.com/aba/mortgage\\_0199.asp](http://www.banking.com/aba/mortgage_0199.asp)>.

O'Rourke, Automated Valuation Models--threat and opportunity. Appraisal today

[online], Sep. 1998 [retrieved on Apr. 9, 2002 ]. Retrieved from the Internet:<URL:

<http://www.appraisaltoday.com/avms.htm>>.

O'Rourke, Where Have We Been and Where Are We Going? O'Rourke's predictions for 1999. Appraisal Today [online], Jan. 1999 [retrieved on Apr. 9, 2002]. Retrieved from the Internet:<URL: <http://www.appraisaltoday.com/sample1.htm>>.

Case Shiller Weiss, [retrieved on Apr. 9, 2002] Retrieved from the Internet: <URL: <http://www.cswcasa.com/>>.

Automated valuation models speeded the appraisal process

([Http://www.banking.com/aba/mortgate](http://www.banking.com/aba/mortgate)).\*

Automated valuation models--threat and Opportunity (Appraisal Today, Oct. 1999).

ART-UNIT: 3621

PRIMARY-EXAMINER: Trammell; James P.

ASSISTANT-EXAMINER: Sherr; C Owen

[First Hit](#)   [Fwd Refs](#)

Generate Collection

Print

L3: Entry 2 of 5

File: USPT

Nov 20, 2001

US-PAT-NO: 6321221

DOCUMENT-IDENTIFIER: US 6321221 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: System, method and article of manufacture for increasing the user value of recommendations

DATE-ISSUED: November 20, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bieganski; Paul	Minneapolis	MN		

INT-CL: [07] G06 F 17/30, G06 F 17/60

US-CL-ISSUED: 707/5; 705/10, 705/27

US-CL-CURRENT: 707/5; 705/10, 705/27

FIELD-OF-SEARCH: 707/4, 707/5, 705/10, 705/27

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

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Search ALL

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4996642</u>	February 1991	Hey	705/27
<input type="checkbox"/>	<u>5201010</u>	April 1993	Deaton et al.	382/139
<input type="checkbox"/>	<u>5311424</u>	May 1994	Mukherjee et al.	705/29
<input type="checkbox"/>	<u>5353219</u>	October 1994	Mueller et al.	705/16
<input type="checkbox"/>	<u>5383111</u>	January 1995	Homma et al.	705/27
<input type="checkbox"/>	<u>5459306</u>	October 1995	Stein et al.	235/383
<input type="checkbox"/>	<u>5515269</u>	May 1996	Willis et al.	705/29
<input type="checkbox"/>	<u>5704017</u>	December 1997	Heckerman et al.	706/12
<input type="checkbox"/>	<u>5749081</u>	May 1998	Whiteis	707/102
<input type="checkbox"/>	<u>5768142</u>	June 1998	Jacobs	700/231
<input type="checkbox"/>	<u>5794209</u>	August 1998	Agrawal et al.	705/10
<input type="checkbox"/>	<u>5825651</u>	October 1998	Gupta et al.	700/103



<input type="checkbox"/> <u>5842199</u>	November 1998	Miller et al.	707/2
<input type="checkbox"/> <u>5876799</u>	February 1999	Lang et al.	707/1
<input type="checkbox"/> <u>5974396</u>	October 1999	Anderson et al.	705/10
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<input type="checkbox"/> <u>6018738</u>	January 2000	Breese et al.	707/100
<input type="checkbox"/> <u>6041311</u>	March 2000	Chislenko et al.	705/27
<input type="checkbox"/> <u>6049777</u>	April 2000	Sheena et al.	705/10
<input type="checkbox"/> <u>6064980</u>	May 2000	Jacobi et al.	705/26
<input type="checkbox"/> <u>6092049</u>	July 2000	Chislenko et al.	705/10
<input type="checkbox"/> <u>6108493</u>	August 2000	Miller	709/219
<input type="checkbox"/> <u>6112186</u>	August 2000	Bergh et al.	705/10
<input type="checkbox"/> <u>6119101</u>	September 2000	Peckover	705/26

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 643 359 A2	May 1994	EP	
0 751 471 A1	January 1997	EP	
7-152771	June 1995	JP	
7-234881	September 1995	JP	
8-331077	December 1996	JP	
9-153027	June 1997	JP	
9-265478	October 1997	JP	
10-32797	February 1998	JP	
10-74206	March 1998	JP	
10-63680	March 1998	JP	
10-63681	March 1998	JP	
10-63749	March 1998	JP	
10-91642	April 1998	JP	
10-91647	April 1998	JP	
10-91686	April 1998	JP	
10-143540	May 1998	JP	
10-143541	May 1998	JP	
10-162025	June 1998	JP	
10-162027	June 1998	JP	
10-162028	June 1998	JP	
10-198706	July 1998	JP	
10-228482	August 1998	JP	
10-228487	August 1998	JP	
10-260955	September 1998	JP	
10-240749	September 1998	JP	
10-247198	September 1998	JP	

10-257405	September 1998	JP
10-283403	October 1998	JP
10-289245	October 1998	JP
10-307845	November 1998	JP
10-301950	November 1998	JP
10-320415	December 1998	JP
10-340270	December 1998	JP
11-7453	January 1999	JP
11-7472	January 1999	JP
11-15840	January 1999	JP
11-45290	February 1999	JP
11-45265	February 1999	JP
11-45284	February 1999	JP
11-45289	February 1999	JP
11-45286	February 1999	JP
11-53394	February 1999	JP
11-66081	March 1999	JP
11-66097	March 1999	JP
11-66098	March 1999	JP
11-96164	April 1999	JP
11-110410	April 1999	JP
11-120189	April 1999	JP
11-134345	May 1999	JP
11-134361	May 1999	JP
11-143900	May 1999	JP
11-164217	June 1999	JP
11-161670	June 1999	JP
11-175546	July 1999	JP
11-184890	July 1999	JP
11-184891	July 1999	JP
11-195035	July 1999	JP
11-205706	July 1999	JP
11-232287	August 1999	JP
11-212996	August 1999	JP
11-232278	August 1999	JP
11-509019	August 1999	JP
11-259497	September 1999	JP
11-250091	September 1999	JP
11-282874	October 1999	JP
11-272574	October 1999	JP
11-282875	October 1999	JP
11-312177	November 1999	JP
11-316759	November 1999	JP
11-328266	November 1999	JP
11-308547	November 1999	JP
11-338869	December 1999	JP
11-338872	December 1999	JP

11-338879	December 1999	JP
11-345446	December 1999	JP
12-23112	January 2000	JP
12-13708	January 2000	JP
12-57090	February 2000	JP
12-48046	February 2000	JP
WO97 26729	July 1997	WO
WO98 02835	January 1998	WO
WO 98/33135	July 1998	WO

## OTHER PUBLICATIONS

Avery, C. et al., "Recommender Systems for Evaluating Computer Messages", Communications of the ACM, 40(3):88-89 (Mar. 1997).

Balabonovic, M. et al., "Fab: Content-Based, Collaborative Recommendation", Communications of the ACM, 40(3):66-72 (Mar. 1997).

Borchers, A. et al., "Ganging up on Information Overload", Computer, pp. 106-108 (Apr. 1998).

Kautz, H. et al., "Referral Web: Combining Social Networks and Collaborative Filtering", Communications of the ACM, 40(3):63-65 (Mar. 1997).

Konstan, J. et al., "GroupLens: Applying Collaborative Filtering to Usenet News", Communications of the ACM, 40(3):77-87 (Mar. 1997).

Miller, B. et al., "Experiences with GroupLens: Making Usenet Useful Again", 1997 Annual Technical Conference, 219-233 (1997).

Resnick, P. et al., "GroupLens: An Open Architecture for Collaborative Filtering of Netnews", Proceedings of the 1994 Computer Supported Collaborative Work Conference, 13 pages (1994).

Resnick, P. et al., "Recommender Systems", Communications of the ACM, 40(3):56-58 (Mar. 1997).

Rucker, J. et al., "Siteseer: Personalized Navigation for the Web", Communications of the ACM, 40(3):73-76 (Mar. 1997).

Shardanand, U. et al., "Social Information Filtering: Algorithms for Automating 'Word of Mouth'", Chi '95 Conference Proceedings on Human Factors in Computing Systems, 210-216 (May 7-11, 1995).

Terveen, L. et al., "Phoaks: A System for Sharing Recommendations", Communications of the ACM, 40(3):59-62 (Mar. 1997).

Dragan et al., "Advice from the Web," PC Magazine, v16, n15 p. 133(7), Sep. 1997.

Tsang et al. "An Object Oriented Intelligent Tourist Advisor System," Intelligent Information Systems, 1996, Australian and New Zealand Conference, pp. 6-9, Nov. 1996.

Montani et al., "A Case-based Reasoning System for Diabetic Patient Therapy," Proceedings on the Third International Conference on Neural Networks and Expert Systems in Medicine Healthcare, pp. 160-168, Sep. 1998.

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ART-UNIT: 278

PRIMARY-EXAMINER: Coulter; Kenneth R.

First Hit   Fwd Refs☐ **Generate Collection** **Print**

L3: Entry 4 of 5

File: USPT

Jan 4, 2000

US-PAT-NO: 6012051

DOCUMENT-IDENTIFIER: US 6012051 A

TITLE: Consumer profiling system with analytic decision processor

DATE-ISSUED: January 4, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sammon, Jr.; Thomas M.	San Diego	CA		
Scurlock; Bradley W.	San Diego	CA		

INT-CL: [06] G06 F 15/18, G06 F 17/60

US-CL-ISSUED: 706/52; 705/10, 705/26

US-CL-CURRENT: 706/52; 705/10, 705/26

FIELD-OF-SEARCH: 395/54, 395/51, 706/52, 705/26, 705/27, 705/10

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>T998008</u>	September 1980	De Lano, Jr.	705/7
<input type="checkbox"/> <u>4733354</u>	March 1988	Potter et al.	600/300
<input type="checkbox"/> <u>4775935</u>	October 1988	Yourick	345/357
<input type="checkbox"/> <u>4794389</u>	December 1988	Luck et al.	345/192
<input type="checkbox"/> <u>4829426</u>	May 1989	Burt	706/45
<input type="checkbox"/> <u>5041972</u>	August 1991	Frost	705/10
<input type="checkbox"/> <u>5063522</u>	November 1991	Winters	706/10
<input type="checkbox"/> <u>5124911</u>	June 1992	Sack	705/10
<input type="checkbox"/> <u>5167011</u>	November 1992	Priest	706/62
<input type="checkbox"/> <u>5182793</u>	January 1993	Alexander et al.	706/13
<input type="checkbox"/> <u>5239617</u>	August 1993	Gardner et al.	706/11
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<input type="checkbox"/> <u>5347614</u>	September 1994	Yamada et al.	706/59

<input type="checkbox"/>	<u>5448727</u>	September 1995	Annevelink	707/101
<input type="checkbox"/>	<u>5483637</u>	January 1996	Winokur et al.	714/26
<input type="checkbox"/>	<u>5506984</u>	April 1996	Miller	707/10
<input type="checkbox"/>	<u>5583763</u>	December 1996	Atcheson et al.	707/3
<input type="checkbox"/>	<u>5615342</u>	March 1997	Johnson	705/27
<input type="checkbox"/>	<u>5664111</u>	September 1997	Nahan et al.	705/27
<input type="checkbox"/>	<u>5687290</u>	November 1997	Lewis	706/45
<input type="checkbox"/>	<u>5706442</u>	January 1998	Anderson et al.	705/27
<input type="checkbox"/>	<u>5712960</u>	January 1998	Chiopris et al.	706/61
<input type="checkbox"/>	<u>5724508</u>	March 1998	Harple, Jr. et al.	709/205
<input type="checkbox"/>	<u>5724521</u>	March 1998	Dedrick	705/26
<input type="checkbox"/>	<u>5732398</u>	March 1998	Tagawa	705/5
<input type="checkbox"/>	<u>5745882</u>	April 1998	Bixler et al.	705/26
<input type="checkbox"/>	<u>5758328</u>	March 1998	Giovannoli	705/27
<input type="checkbox"/>	<u>5761649</u>	June 1998	Hill	705/27

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U. Shardanand and P. Maes, Social Information Filtering: Algorithms for Automating "Word of Mouth", Conf. Proc. on Human Factors in Computing Systems, pp. 210-217, Dec. 1995.

L. Halliday, "Agents, Inc. wants to help you choose everything," P.C. Letter, vol. 12, No. 6, p. 1, Mar. 1996.

J. Moad, "Web shakeout," PC Week, vol. 13, No. 28, p.E1(2), Jul. 1996.

J.D. Tygar, "Atomicity in Electronic Commerce," Proc. Fifteenth Annual ACM symposium on Principles of distributed computing, pp. 8-26, Dec. 1996.

S. Hedberg, "Agents for sale: first wave of intelligent agents go commercial," IEEE Expert, vol. 11, No. 6, pp. 16-19, Dec. 1996.

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Brule, James F., Fuzzy System--A Tutorial, (1985).

Elkan, Charles, "The Paradoxical Success of Fuzzy Logic", IEEE Expert, Aug. 1994.

Wan et al, "Document Management Through Hypertext: A Logic Modeling Approach", IEEE Annual Hawaii International Conference on System Sciences, 1994.

ART-UNIT: 272

PRIMARY-EXAMINER: Downs; Robert W.